LISTING OF CLAIMS

Please amend the claims as follows:

1. (Currently amended) A golf ball comprising:

a core comprising an elastomeric composition comprised of a diene polymer, a reactive co-agent present by about 0 phr by weight of the elastomeric composition, and a cross-linking agent;

an intermediate layer encasing the core, the intermediate layer comprising a thermoplastic polymer; ~~and~~

a cover encasing the intermediate layer; and

a thin dense layer between the intermediate layer and the cover, the thin dense layer being positioned at a radial distance outside a centroid radius of the golf ball, and having a thickness from about 0.025 mm to about 1.27 mm.

2. (Canceled).

3. (Canceled).

4. (Canceled).

5. (Canceled).

6. (Canceled).

7. (Currently amended) The golf ball of claim 1, ~~wherein the golf ball further comprises a thin dense layer between the intermediate layer and the cover,~~ the thin dense layer ~~being positioned at a radial distance outside a centroid radius of the golf ball, and having~~ has a thickness from about ~~0.025~~ 0.25 mm to about ~~1.27~~ 0.5 mm.

8. (Original) The golf ball of claim 7, wherein the thin dense layer has a specific gravity of greater than about 1.2 g/cm^3.

9. (Original) The golf ball of claim 7, wherein the thin dense layer has a specific gravity of greater than about 1.5 g/cm^3.

10. (Previously presented) A golf ball having a diameter of about 1.68 inches comprising:
a core comprising an elastomeric composition, comprising a diene rubber, a reactive co-agent present by less than about 5 phr by weight of the elastomeric composition, and a cross-linking agent, and having an Atti compression of 10-60 and a specific gravity of less than 1.05;
an intermediate layer encasing the core, the intermediate layer comprising a highly neutralized polymer; and
a cover encasing the intermediate layer.

11. (Canceled).

12. (Canceled).

13. (Original) The golf ball of claim 10, wherein the reactive co-agent is present by about 0 phr.

14. (Original) The golf ball of claim 10, wherein the reactive co-agent comprises a metal salt of diacrylate, dimethacrylate, or monomethacrylate, or a non-metallic oligomer.

15. (Original) The golf ball of claim 14, wherein the metal is selected from zinc, magnesium, calcium, barium, tin, aluminum, lithium, sodium, potassium, iron, zirconium, and bismuth.

16. (Original) The golf ball of claim 10, wherein the golf ball further comprises a thin dense layer between the intermediate layer and the cover, the thin dense layer being positioned at a radial distance outside a centroid radius of the golf ball, and having a thickness from about 0.025 mm to about 1.27 mm.

17. (Original) The golf ball of claim 16, wherein the thin dense layer has a specific gravity of greater than about 1.2 g/cm^3.

18. (Original) The golf ball of claim 16, wherein the thin dense layer has a specific gravity of greater than about 1.5 g/cm^3.